

Serial Number: 09/937,204

CRF Processing Date: 5/1/02  
Edited by: DC  
Verified by: DC (STIC staff) Changed a file from non-ASCII to ASCII Changed the margins in cases where the sequence text was "wrapped" down to the next line. Edited a format error in the Current Application Data section, specifically:

500 ENTERED

 Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_ Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_ Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: Other:  
\_\_\_\_\_  
\_\_\_\_\_



PCT09

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/09/937,204**

**DATE: 05/01/2002**  
**TIME: 11:41:47**

**Input Set : A:\PTO.DC.txt**  
**Output Set: N:\CRF3\05012002\I937204.raw**

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4 <110> APPLICANT: Fritig, Bernard
5     Toquin, Valerie
6     Geoffroy, Pierrette
7     Legrand, Michel
8     Kauffmann, Serge
11 <120> TITLE OF INVENTION: INDUCIBLE COMTII PROMOTER, CHIMERA GENE
12     CONTAINING SAME AND TRANSFORMED PLANTS
15 <130> FILE REFERENCE: A34638-PCT-USA
17 <140> CURRENT APPLICATION NUMBER: US 09/937,204
18 <141> CURRENT FILING DATE: 2000-03-22
20 <150> PRIOR APPLICATION NUMBER: PCT/FR99/03700
21 <151> PRIOR FILING DATE: 1999-03-22
23 <150> PRIOR APPLICATION NUMBER: PCT/FR99/07646
24 <151> PRIOR FILING DATE: 1999-06-11
26 <160> NUMBER OF SEQ ID NOS: 26
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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31 <211> LENGTH: 1863
32 <212> TYPE: DNA
33 <213> ORGANISM: Nicotiana tabacum
35 <220> FEATURE:
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37 <222> LOCATION: (667)...(672)
38 <223> OTHER INFORMATION: Inverted W box
40 <221> NAME/KEY: misc_RNA
41 <222> LOCATION: (820)...(830)
42 <223> OTHER INFORMATION: Inverted L box
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45 <222> LOCATION: (845)...(852)
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48 <222> LOCATION: (1034)...(1047)
49 <223> OTHER INFORMATION: P box
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52 <222> LOCATION: (1221)...(1226)
53 <223> OTHER INFORMATION: G box
W--> 55 <221> misc_signal
56 <222> LOCATION: (1343)...(1356)
57 <223> OTHER INFORMATION: Inverse L box
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60 <222> LOCATION: (1369)...(1374)
61 <223> OTHER INFORMATION: A box
W--> 63 <221> misc_signal
64 <222> LOCATION: (1377)...(1382)

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69 <223> OTHER INFORMATION: GT box
.W--> 71 <221> misc_signal
72 <222> LOCATION: (1562)...(1567)
73 <223> OTHER INFORMATION: Inverted W box
.W--> 75 <221> misc_signal
76 <222> LOCATION: (1600)...(1614)
77 <223> OTHER INFORMATION: L box
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80 <222> LOCATION: (1675)...(1679)
W--> 82 <221> misc_signal
83 <222> LOCATION: (1681)...(1690)
84 <223> OTHER INFORMATION: E box
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87 <222> LOCATION: (1695)...(1699)
W--> 89 <221> TATA_signal
90 <222> LOCATION: (1735)...(1739)
W--> 92 <221> misc_signal
93 <222> LOCATION: (1772)...(0)
94 <223> OTHER INFORMATION: Transcription origin
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97 aaagtttaggg acaatctata gtgtcacaaa gttgcattatg gctttgggtt cagataaaaga 60
98 aaaagaacag cattttaatt tgtgaagatt agtctgagca gaatttcatt gtatctagaa 120
99 agaaaattgaa aaaagaaaata ttctatttca ctattatgtt aggtgcaact atatcatcac 180
100 catggaaaag ccggagtaaa aagagaacgt agaggagatt tcatgatttg attgagaata 240
101 taatatatta ttttttgta attccacaca aagattaaga aaatgatctg atcaatgatg 300
102 gctccgagga tttgctgtc gcgggaacta tgacattaat ataaatttgt cgctgcctat 360
103 aaagacccta tctatctatc tatctatcta tatatatata tatatatata tatatata 420
104 tatatatata tatatatata tatatatata tatatataag cgctaatttt tgattatttt 480
105 taaaaaatat ttataagtat atatgaaatt tttgacgaaa tttttgtgt accgtgaccc 540
106 ctcAACCTAT agtgtgcgtc cacctgtgcc aacaatataag agacaatttg ctcgtatagt 600
107 cagaaaagagt gttttacttt ttagttgat ttttagtgaat ctactcggtt taaagttaaa 660
108 tttagtgggtc aataagtccg gtgaatagtt aaagaaaaca gtggtaggtt tagtgtcaa 720
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112 aagcaaattc gcacttgata agtggctaag tccactttct agtggaccta gtggttcact 960
113 aacttttacc aaaaaggcaa taatttgc当地 ttcaaaaaga aaaaaggaaa aaagaaaaact 1020
114 agacagactt taacacacca actcccacag gaagcaacaa tgcaactcac aaaaggaaac 1080
115 cgagtttttc cgcgacggat ctagaatttg ggttcattct ttacgcttt tcgtattaaa 1140
116 ctcatttat ttgtataatt atgggtttat atttttttatt tattgttaatt tttgtaaaat 1200
117 ttatatatata agtgataact ccacgtctcc ggataactaca ttacgctctt gggttctaa 1260
118 tactcttgc当地 aaatgtccg ggctccaaac gcatgttcgt ttcaattttt acggatgttt 1320
119 ccgaacaact ccaaatgttc aatgttaggt gtgttgggtt ttaagcttcc gtccttaggtt 1380
120 aatagaatag ataattgttg tttcttataat agtttgaac aatcgtcggc ataaactaat 1440
121 ttttaggatg gaagctaatt tttaggatgg agtacagcct aaggttaaaa tataactata 1500
122 aaaaatatcc ataaaagggtg aaatttaatt agtaacatga aaagataaaa ctatgttt 1560

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Input Set : A:\PTO.DC.txt  
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123 cggtaaaact ttcaaaaagag aaagaaaataa ctagacaaaac ttcaacaacc aacctgccc 1620
124 acatgctact gtgcaattga aaaataaaaca aaagagaacc agacaatatt tcaaccaata 1680
125 ttccatcaag aaaacccaatt atgacaattc ttaaccaaag tcacaactaa cacttataaa 1740
126 aagcaactaac tcaactgtac atgattgtga agcctaacaa aaacactcta aaagaaaaag 1800
127 actacgagaa taattacact acaactctt tagctaattc ttgtctcaag atttcagct 1860
128 atg 1863
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131 <211> LENGTH: 5371
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133 <213> ORGANISM: Nicotiana tabacum
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136 <221> NAME/KEY: promoter
137 <222> LOCATION: (1)...(1860)
139 <221> NAME/KEY: misc_signal
140 <222> LOCATION: (1772)...(0)
141 <223> OTHER INFORMATION: Transcription origin
W--> 143 <221> intron
144 <222> LOCATION: (2282)...(3633)
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147 <222> LOCATION: (3945)...(4726)
W--> 149 <221> terminator
150 <222> LOCATION: (5090)...(5371)
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155 agaaaattgaa aaaagaaaata ttctatttca ctattatgtt aggtgcaact atatcatcac 180
156 catggaaaag ccggagtaaa aagagaacgt agaggagatt tcatgatttg attgagaata 240
157 taatatattta ttttttgtt attccacaca aagattaaga aaatgatctg atcaatgatg 300
158 gctccgagga tttggctgtc gcgggaacta tgacattaat ataaaatttgt cgctgcctat 360
159 aaagacctta tctatctatc tatctatcta tatatatata tatatatata tatatatata 420
160 tatatatata tatatatata tatatatata tatatataag cgctaatttt tgattatttt 480
161 ttaaaaaatat ttataagtat atatgaaatt tttgacgaaa tttttgtgt accgtgaccc 540
162 ctcaaccttat agtgtgcgtc cacctgtgcc aacaatataag agacaatttg ctcgtatagt 600
163 cagaaaagagt gttttacttt ttagttgtt ttagtgaat ctactcggtt taaagttaaa 660
164 ttagtgggtc aataagtctgg gtgaatagt aaagaaaaaca gtggtgagtt tagctgtcaa 720
165 ataatttctt ctttttcttgg ttttccattt agaaaatcaaa ataaaacaca agcttttgt 780
166 atttatttttta acacaagctt attatatgtt tatatgtctgg ttaggtgaag taaagcatgt 840
167 tatatgagga aagtacgaaag aaaatgtgcc aatttgtcggt tacagcaaaag cagccagcac 900
168 aagcaaaatcc gcacttgata agtggcttaag tccactttctt agtggaccta gtgggtcact 960
169 aacttttacc aaaaaggcaaa taatttgc当地 ttcaaaaaga aaaaaggaaa aaagaaaaact 1020
170 agacagactt taacacacca actcccacag gaagcaacaa tgcaactcac aaaagggaaac 1080
171 cgagtttttc cgcgacggat cttagatttg ggttcattctt ttacgcttt tcgttataaa 1140
172 ctcattatattt ttgtataattt atgggtttat attttttattt tatttgc当地 tttgtaaaat 1200
173 ttatatatata agtgtataact ccacgtctcc ggataactaca ttacgctcttta ggggttctt 1260
174 tactcttgc当地 aaattgtccaa ggctccaaac gcacgttcgt ttcaattttt acggatgttt 1320
175 ccgaacaact ccaaatttttcc aatgttaggt gtgtttgggtt ttaagcttcc gtccttaggtt 1380
176 aatagaatag ataattgttg tttcttataat agtttgc当地 aatcgctccc ataaactaat 1440
177 ttttaggatg gaagcttaatt tttaggatgg agtacagcctt aaggttaaaa tataactata 1500
178 aaaaatatacc ataaaagggtt aaatttaattt agtaacatgtt aagataaaaa ctatgtttt 1560

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179 cggtaaaact ttcaaaaagag aaagaaaataa ctagacaaaac ttcaacaacc aacctgccc 1620
180 acatgctact gtgcatttga aaaataaaca aaagagaacc agacaatatt tcaaccaata 1680
181 ttccatcaag aaaaccaatt atgacaattc ttaacccaaag tcacaactaa cacttataaa 1740
182 aaggactaac tcaactgtac atgatttgta agcctaacaa aaacactcta aaagaaaaag 1800
183 actacgagaa taattacact acaaacttta tagctaattc ttgtctcaag atttcagct 1860
184 atggaaatcc caacccaaag cccaaatccca acacaatcg aagaagagcg taactgcaca 1920
185 tatgcattgc aactattgtc atcttcagtc ctcccccttg tggcattc aacaattcaa 1980
186 ttggaaattt ttgagatatt agccaaatct aatgacacta aactttctgc ttctcaaatt 2040
187 gtttctcaaa ttcttaactg cccaaaccc gaagcaccta ctatgttaaa taggatgctt 2100
188 tatgtctgg ctatgttact cttgtttact tggtccattt tgaaagatga aaaaaataat 2160
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192 ttcacaagac aagatttctt agtttttattt cttgtcgatt tatgttagtc gtatgtgcta 2400
193 gtgttattat tctccatctg atccctttt tggtcacttt acctaaaaat attgttacaa 2460
194 aacatttgc tttcttagaa atcaggattt attaattttt caattccatc ttttattactc 2520
195 caatagtga tatggttattt aatttgtt ttaaggaaga tggtaaggata atttaatcaa 2580
196 ataggattta ttatataatgt tggtaaaat tctgggtggat ggatcgagaa aaatttcttc 2640
197 atcttaatca gagtttgatg ttcgagccac aggaatgaat ttgtttttaa tagggagttat 2700
198 tttctctttt aatagacctt acacaataaa aggacaaaccc ggtacactaa gcttccgtta 2760
199 tgcgcgggt tcggggaaag gaccgcattca ccaggcttat tggatcgac gttacccaac 2820
200 gtgaatctaa attaatgaga ctaaaaatg gaacccaaaca ccagtggaaa cccaaaaaaag 2880
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203 ttacggcgct agaataatga aatttctcta tatataat tcaaaagttt ataattttt 3060
204 ctcttaactt aaatctatat tataaaaacta tattaaatgtt cttctgccta atttataata 3120
205 tacaactaat gttttgagaa aacaaaataa caacaacatc aaacccaaatg aaatcccaca 3180
206 agtagagttt gggggaggata gtgtgtacgg agacccattt cctacccattt aaagtttaaag 3240
207 aggctttt cgaaagactc tcggctcaag aacattaaaa atttgagaaaa aaaaaataata 3300
208 aattcaaaac ctatattaag ttatataatcc atggatattt atattggctt agtaatctga 3360
209 aatgaaagat ttatgtttga ctcccttaaa cttgtttta atgcaaaaga ggcacaacat 3420
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212 gttcgaacct gaaattttag ttaaagatata agaagttactt accataatgg tagatatgtat 3600
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216 aaaaaataact tggaaattac aaaggtttgc agaacccattt aactttgtt gatggggag 3840
217 gtggcttgc agttAACCTC aagatgatca catctaaat cccacaaattt aaggccacta 3900
218 attttgatattt gccacatgtt gttcaacatcg ccccttccta tccctgttacc ttctctcg 3960
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221 agttgtatgc tctgagtctt gcgcattgtt tcatgttcaaa tttatatttgc tctgttatttgc 4140
222 cacttgcata ttctattata taaggatgtt gcctacccaa aaggagcgaa aatattttcc 4200
223 aaaactctt ttaaacccatc ctcacccat tcccttcctt cctctccccc aacaccaccc 4260
224 accccacccaa ctccccctgc ttgtttttt tattatccctt ggactttctt atattttatg 4320
225 ctttccttta attgaactct tggtaactaaa ccatttgcctt cccacccat tggatgttgc 4380
226 taaatttat atttttcaaa ataataattt ctattacta attaaacattt agaaaaatattt 4440
227 ttccggatatt ttccactc accaaccaag catggggaaa tagtgataaa actactcattt 4500

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RAW SEQUENCE LISTING  
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Input Set : A:\PTO.DC.txt  
Output Set: N:\CRF3\05012002\I937204.raw

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230 aaccacatga acaaaaatggt tgagctctgc gaattgtgat atatgatttgc ctatgtgtt 4680
231 gtgcactatc aattacttaa attaaacttc atctaataat attgcagggg tggAACATGT 4740
232 tgggggagat atgtttgaaa gtgttccaga aggagatgct atttttatgt agtgattct 4800
233 tcatgactgg agtgatagtc acaacctcaa gttgtaaag aactgttaca aggctctacc 4860
234 agacaatgga aagggtgattt ttgttgaggc cattttacca gtgaaaccag acattgacac 4920
235 cgcatgtgtt ggcgtttcgc aatgtgattt gatcatgtat gctcaaaaatc ctggaggcaa 4980
236 agagcgatcg gaagaggagt ttcgagccctt ggctactgaa gctggattca aaggcgatca 5040
237 cttaatatgt tttgtctgtt atttttgggt catggaaattc tgcaagttaga ttttactgt 5100
238 acattgagtt tctactactc ttgtgtatcc atttatggca atctggact ggaattgcag 5160
239 cttatgtccat attgaacattt gatattccata ataataatttcc tattattttcc cttgtttatt 5220
240 tctcttgtat gaaaggatgt cattttgagt attgataatc atgttctcta ggacagaaaat 5280
241 tgtaacttttgc tccaacttta ttgtatattcc tagtaagatt tatatgacat gtgtctctgg 5340
242 tttgagaaga gtttcaatat ctacagacgg g 5371
243 <210> SEQ ID NO: 3
244 <211> LENGTH: 1095
245 <212> TYPE: DNA
246 <213> ORGANISM: Nicotiana tabacum
248 <220> FEATURE:
249 <221> NAME/KEY: CDS
250 <222> LOCATION: (1)...(1095)
252 <400> SEQUENCE: 3
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254 Met Glu Ser Ser Thr Lys Ser Gln Ile Pro Thr Gln Ser Glu Glu Glu
255 1 5 10 15
257 cgt aac tgc aca tat gcc atg caa cta ttg tca tct tca gtc ctc ccc 96
258 Arg Asn Cys Thr Tyr Ala Met Gln Leu Leu Ser Ser Ser Val Leu Pro
259 20 25 30
261 ttt gtg ttg cat tca aca att caa ttg gaa gtt ttt gag ata tta gcc 144
262 Phe Val Leu His Ser Thr Ile Gln Leu Glu Val Phe Glu Ile Leu Ala
263 35 40 45
265 aaa tct aat gac act aaa ctt tct gct tct caa att gtt tct caa att 192
266 Lys Ser Asn Asp Thr Lys Leu Ser Ala Ser Gln Ile Val Ser Gln Ile
267 50 55 60
269 cct aac tgc aca aaa cct gaa gca cct act atg tta aat agg atg ctt 240
270 Pro Asn Cys Thr Lys Pro Glu Ala Pro Thr Met Leu Asn Arg Met Leu
271 65 70 75 80
273 tat gtc ttg gct agt tac tcc ttg ttt act tgt tcc att gtt gaa gat 288
274 Tyr Val Leu Ala Ser Tyr Ser Leu Phe Thr Cys Ser Ile Val Glu Asp
275 85 90 95
277 gaa aaa aat aat ggg ggc caa aaa aga gtg tat ggt ttg tca caa gtg 336
278 Glu Lys Asn Asn Gly Gly Gln Lys Arg Val Tyr Gly Leu Ser Gln Val
279 100 105 110
281 gga aaa ttc ttt gtt aaa aat gaa aat ggt gca tca atg ggg cca ctt 384
282 Gly Lys Phe Phe Val Lys Asn Glu Asn Gly Ala Ser Met Gly Pro Leu
283 115 120 125
285 ttg gct ttg ctt caa aat aaa gta ttc ata aac agc tgg ttt gaa cta 432
286 Leu Ala Leu Leu Gln Asn Lys Val Phe Ile Asn Ser Trp Phe Glu Leu

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/937,204

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Input Set : A:\PTO.DC.txt

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L:47 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:51 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:55 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:59 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:63 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:67 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:71 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:75 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:79 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:82 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:86 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:89 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:92 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:96 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1  
L:143 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2  
L:146 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2  
L:149 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2  
L:152 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2  
L:447 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:12  
L:536 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:14